

# Improved Chimeric Antisense Oligomers

## Abstract

Antisense oligomers which possess improved properties over those taught in the prior art are disclosed. The instant methods enable the enhanced uptake of oligomers, increased affinity of the oligomers for their target molecules, increased resistance of oligomers to nucleases, decreased toxicity. The invention provides optimized antisense oligomer compositions and method for making and using the both in in vitro systems and therapeutically. The invention also provides methods of making and using the improved antisense oligomer compositions.